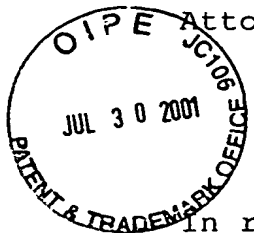


288!



Attorney Docket No.: 10919/25601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re

U.S. application: Lewis T. CLAIBORNE and Pradip MITRA
For: DIFFRACTION GRATING COUPLED INFRARED
PHOTODETECTOR

U.S. Serial No.: 09/836,036
Filed: April 17, 2001
Group Art Unit: 2881
Examiner: To Be Assigned

Assistant Director
for Patents
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Director For Patents, Washington, D.C. 20231 on:	
July 25, 2001	_____
Date of Deposit	_____
James W. Williams	_____
Name of Applicant, Assignee, or Registered Representative	_____
<i>James W. Williams</i>	_____
Signature	_____
July 25, 2001	_____
Date of Signature	_____

#3 155
10-15-01
R. Stokes

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants wish to bring the following items to the attention of the Examiner. A copy of each document is enclosed for the convenience of the Examiner.

No representation is made, and no representation is intended, that more relevant material does not exist, or that the order of presentation of this material in any way reflects its relative pertinence. The references cited below are not intended to constitute an admission of any kind. Specifically, this presentation is not an admission that the items listed below are properly citable against the above-identified application.

- (1) Chandra et al., U.S. Patent No. 6,091,127,
issued July 18, 2000;
- (2) Duboz, U.S. Patent No. 5,818,066, issued
October 6, 1998;
- (3) Brouns, U.S. Patent No. 5,773,831, issued
June 30, 1998;
- (4) Kaushik et al., U.S. Patent No. 5,726,805,
issued March 10, 1998;
- (5) Schimert, U.S. Patent No. 5,539,206, issued
July 23, 1996;
- (6) Choi, U.S. Patent No. 5,485,015, issued
January 16, 1996;
- (7) McKee et al., U.S. Patent No. 5,479,018,
issued December 26, 1995;
- (8) Spears, U.S. Patent No. 5,455,421, issued
October 3, 1995;
- (9) Bryan et al., U.S. Patent No. 5,389,797,
issued February 14, 1995;
- (10) Hunt et al., U.S. Patent No. 5,315,128, issued
May 24, 1994;

- (11) J. BAJAJ, *State-of-the-art HgCdTe Infrared Devices, Proceedings of SPIE, In Photodetectors: Materials and Devices V*, Gail J. Brown and Manijeh Razeghi, Editors, Vol. 3948, pp. 42-54, (2000);
- (12) I. M. BAKER, *Photovoltaic IR detectors, Narrow-gap II-VI Compounds for Optoelectronic and Electromagnetic Applications*, Peter Capper, Editor, Chapman & Hall, pp. 450-474 (undated);
- (13) C. C. BARRON, C. J. MAHON, B. J. THIBEAULT, G. WANG, W. JIANG, L. A. COLDREN and J. E. BOWERS, *Resonant-cavity-enhanced pin photodetector with 17GHz bandwidth-efficiency product, Electronics Letters*, Vol. 30, No. 21, pp. 1796-1797 (October 13, 1994); and
- (14) T. WIPIEJEWSKI, K. PANZLAFF, K. J. EBELING, *Resonant wavelength selective photodetectors, Microelectronic Engineering*, Vol. 19, pp. 223-226 (1992).


Applicants consider the invention to be distinguishable over the above-cited documents.

As this Information Disclosure Statement is being filed before the receipt of the first Office Action, no fee is

incurred. However, if it should be determined that a fee is required, please charge any required fee (other than the issue fee) during the pendency of this application to Sidley Austin Brown & Wood's Deposit Account No. 18-1260. Please credit any overpayment to Deposit Account No. 18-1260.

Respectfully submitted,

By:


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July 25, 2001

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				COMPLETE IF KNOWN Application Number: 09/836,036 Filing Date: April 17, 2001 First Inventor: Lewis T. CLAIBORNE et al. Group Art Unit: 2881 Examiner Name: To Be Assigned Attorney Docket No.: 10919/25601				
Sheet	1	of	1					
U.S. PATENT DOCUMENTS								
Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
	(1)	6,091,127		Chandra et al.	07/18/2000	257	442	
	(2)	5,818,066		Duboz	10/06/1998	257	21	
	(3)	5,773,831		Brouns	06/30/1998	250	370.08	
	(4)	5,726,805		Kaushik et al.	03/10/1998	359	589	
	(5)	5,539,206		Schimert	07/23/1996	250	338.4	
	(6)	5,485,015		Choi	01/16/1996	257	21	
	(7)	5,479,018		McKee et al.	12/26/1995	250	338.1	
	(8)	5,455,421		Spears	10/03/1995	250	338.4	
	(9)	5,389,797		Bryan et al.	02/14/1995	257	21	
	(10)	5,315,128		Hunt et al.	05/24/1994	257	16	
FOREIGN PATENT DOCUMENTS								
Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No		
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS								
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
	(11)	J. BAJAJ, <i>State-of-the-art HgCdTe Infrared Devices</i> , <u>Proceedings of SPIE</u> , In <i>Photodetectors: Materials and Devices V</i> , Gail J. Brown and Manijeh Razeghi, Editors, Vol. 3948, pp. 42-54, (2000)						
	(12)	I. M. BAKER, <i>Photovoltaic IR detectors</i> , <u>Narrow-gap II-VI Compounds for Optoelectronic and Electromagnetic Applications</u> , Peter Capper, Editor, Chapman & Hall, pp. 450-474 (undated)						
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	(14)	T. WIPIEJEWSKI, K. PANZLAFF, K. J. EBELING, <i>Resonant wavelength selective photodetectors</i> , <u>Microelectronic Engineering</u> , Vol. 19, pp. 223-226 (1992)						
Examiner Signature					Date Considered			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.